Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S8	14	SOX adj M or bcl adj complex or NDH-I or bd adj3 oxidase or NDH-II	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/09 09:10
L6	2	(SOX adj M or bcl adj complex or NDH-I or bd adj3 oxidase or NDH-II) and l2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/09 09:10
S39	212133	Nakai.in. or Nakanishi.in. or "Kawahara.in" or Ito.in. or Kurahashi.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/09 09:09
L5	4	l2 and energy adj efficiency same respiratory	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/09 09:09
L4	4	l2 and energy adj efficiency and respiratory	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/09 09:09
L3	211	l2 and energy adj efficiency	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/09 09:09
L2	250486	Nakai.in. or Nakanishi.in. or Kawahara.in. or Ito.in. or Kurahashi.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/09 09:09
L1	236050	Nakai.in. or Nakanishi.in. or "Kawahara.in" or Ito.in. or Kurahashi.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/09 09:09
S193	2	S192 and excretion	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/08 18:52
S192	3	(US-20020106800-$ or US-20050143570-$ or US-20050221455-$).did.	US-PGPUB	OR	OFF	2006/01/08 18:52

S191	1706	excretion same amino	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/08 18:49
S190	4	"4104124".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/08 18:49
S189	2	h-81 and w3110	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 09:28
S188	50	h-81	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 09:27
S187	8	b-8066	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 09:27
S186	0	vkpmb8066	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 09:27
S185	0	vkpm adj b8066	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 09:26
S184	1	vkpm adj b-8066	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 09:26
S183	1	11/149349 and (secrete or accumulate or excrete or excretion)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 09:26
S182	5	w3110 and tyra and excrete	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 09:25

S180	32	w3110 and tyra	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 09:19
S181	3	vl2054	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 09:17
S179	0	w3110 and tyrqa	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 09:15
S178	0	cf1943	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 09:14
S177	13	(W3110tyrA or w3110 adj tyra)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 09:13
S147	13	(W3110tyrA or w3110 adj tyra) and amino	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 09:07
S176	105	amino adj acid adj10 excretion	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 08:59
S175	0	amino adj acid adj10 excrettion	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 08:59
S172	20	amino adj acid adj10 excrete	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 08:59
S174	20	amino adj acid adj10 excrete and excrete	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 08:58

S173	3041	amino adj acid adj10 excreteamd excrete	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 08:58
S171	1	amino adj acid adj10 excrete and w3110	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 08:54
S170	5	amino adj acid adj10 excretion and w3110	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 08:53
S169	55	S168 or S167	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 08:51
S167	46	amino adj acid adj10 excretion and coli	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 08:51
S168	9	amino adj acid adj10 excrete and coli	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 08:50
S166	46	amino adj acid adj10 excretion and coli	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 08:50
S165	70	S163 or S164	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 08:50
S164	57	amino adj acid adj20 excretion and coli	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 08:50
S163	13	amino adj acid adj20 excrete and coli	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 08:50

S162	14	amino adj acid same excrete same coli	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 08:50
S161	155	amino adj acid same excrete	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 08:47
S159	3	amino adj acid adj biosynthesis same excrete	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 08:47
S160	3	S158 or S159	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 08:46
S158	2	amino adj acid adj biosynthesis same excretion	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 08:46
S157	991	amino adj acid adj biosynthesis	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 08:46
S156	5	S154 or S155	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 08:46
S155	3	w3110 same amino same secretion	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 08:44
S154	2	w3110 same amino same excretion	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 08:44
S153	0	w3110 same amino same excrete	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 08:44

S152	3231	w3110 same amino excrete	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 08:44
S151	199	w3110 same amino	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 08:44
S150	672689	w3110 saem amino	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 08:44
S149	11	S148 not S146	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 08:44
S148	13	(W3110tyrA or w3110 adj tyra) and amino adj acid	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 08:42
S146	2	(W3110tyrA or w3110 adj tyra) same amino	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 08:41
S145	2	(W3110tyrA or w3110 adj tyra)same amino	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 08:41
S144	9	(W3110tyrA or w3110 adj tyra) and accumulated	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 08:40
S110	12	W3110tyrA or w3110 adj tyra	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 08:05
S143	2	"5175108".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 07:59

S142	0	"5175108".pn. and w3110	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 07:59
S141	2	"5175106".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 07:59
S140	0	"5175106".pn. and "3110"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 07:59
S139	0	"5175106".pn. and w3110	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 07:59
S138	1	(W adj "3110") same (secrete)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 07:59
S137	0	(W adj "3110") same (secrete) same amino	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 07:58
S136	0	(W3110) same (secrete) same amino	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 07:58
S133	2183	(W3110) same (secrete) same coli	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 07:58
S135	2	(W3110) adj50 (secrete)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 07:57
S134	2	(W3110) adj30 (secrete)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 07:57

S132	0	(W3110) same (secrete) and tyra	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 07:57
S131	2	(W3110) adj20 (secrete)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 07:57
S130	2184	(W3110) same (secrete)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 07:57
S129	4	(W3110) same (excrete or excretion)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 07:56
S128	4	(W3110tyrA or w3110 adj tyra) and (excrete or excretion)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 07:55
S127	0	Tinouchi.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 07:30
S126	14	Ajinomoto.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 07:30
S125	0	"4104124".pn. and tyra	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 07:22
S124	0	"4104124".pn. and w3110	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 07:22
S123	4	"4104124".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 07:22

S1	154554	microorganism or microbe or escherichia or coryneform	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 07:20
S12 2	3	S110 and excretion	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/23 12:19
S11 1	15	AJ12604	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/23 12:17
S12 1	5	b-3996 same w3110	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/23 11:50
S12 0	20	b-3996 and w3110	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/23 11:50
S11 9	8	b-3996 and (excrete or excretion)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/23 11:50
S11 8	0	b3996 and (excrete or excretion)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/23 11:49
S11 7	4	S116 and (excrete or excretion)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/23 11:49
S11 6	22	ria adj "1867"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/23 11:48
S11 5	0	VBPM adj B-3996 or vkbp adj b3996 or vbpmb3996	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/23 11:48

S114	5	S113 and (excrete or excretion)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/23 11:48
S108	12	W3110tyrA or w3110 adj tyra or AJAJ12604 or VBPM adj B-3996 or vkbp adj b3996 or vbpmb3996	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/23 11:48
S113	21	"FERM BP-3579"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/23 11:47
S112	2	AJ12604 and (excrete or excretion)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/23 11:47
S109	0	S108 and excrete	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/23 11:44
S107	41	S106 and excrete	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/23 11:44
S106	5073	W3110(tyrA) or w3110 adj tyra or AJAJ12604 or VBPM adj B-3996 or vkbp adj b3996 or vbpmb3996	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/23 11:44
S105	5073	W3110(tyrA) or w3110 adj tyra or AJAJ12604 or VBPM adj B-3996 or vkbp adj b3996 or vvbpmb3996	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/23 11:43
S104	1	09/897988 and soxm	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/23 11:42
S103	0	09/897988 and sox	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/23 11:22

S102	1	09/897988	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/23 11:22
S101	58	excrete adj20 amino adj acid	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/23 11:21
S100	1	lysine same w3110 and excrete	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/23 10:43
S65	26	lysine same w3110	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/23 10:38
S99	8	soxm	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 08:22
S98	4	S94 adj25 (clone)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 14:54
S97	3	S94 adj25 (transformant or transformation or transform or transfect or introduce)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 14:54
S96	23	S94 same (transformant or transformation or transform or transfect or introduce)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 14:53
S95	296	S94 and coli same (transformant or transformation or transform or transfect or introduce)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 14:53
S93	7	nuo and coli same (transformant or transformation or transform or transfect or introduce)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 14:53

S94	739	nadh adj dehydrogenase	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 14:52
S92	88	nuo	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 14:50
S91	2	(clone or cloned or isolated or isolate) adj20 S86	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 14:50
S90	2	(clone or cloned or isolated or isolste) adj20 S86	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 14:50
S89	2	(clone or cloned or isolated or isoalte) adj20 S86	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 14:50
S88	0	transformation adj20 nuo	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 14:49
S87	0	S86 adj20 (clone or cloned)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 14:49
S86	156	S84 or S85	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 14:49
S85	102	nuo or ndh1 or nadh adj dehydrogenase adj S81	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 14:49
S84	142	nuo or ndhI or nadh adj dehydrogenase adj I	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 14:49

S81	1295	nuo or ndh or nadh adj dehydrogenase	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 14:49
S83	5	S81 adj20 (transformation or tranformed or transfect or plasmid or vector)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 14:48
S82	141	S81 same (transformation or tranformed or transfect or plasmid or vector)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 14:48
S80	0	09/897988 and brm	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 12:11
S79	1	09/897988	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 12:11
S78	0	S77 and 09/897988	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 12:11
S77	14	rc1 and brm	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 12:11
S76	23	producing adj10 amino adj acid and coryneform same wild-type	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 12:10
S75	116	producing adj10 amino adj acid and coryneform same escherichia	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 08:02
S74	6998	producing adj10 amino adj acid	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 08:01

S73	13	phenylalanine same aj12604	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 08:01
S72	17	valine same vl1970	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 07:45
S71	20	isoleucine same kx141	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 07:45
S70	0	isoleucine same kx14	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 07:44
S69	13	leucine same aj11478	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 07:44
S68	56409	leucine aj11478	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 07:44
S67	15	leucibe aj11478	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 07:44
S66	16	glutamic same aj12624	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 07:43
S64	21	aj11442	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 07:42
S62	30	vkpm adj2 "3996"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 07:42

S63	30	vkpm adj2 "3996" and threonine	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 07:40
S61	705	vkpm	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 07:40

```
FILE 'SCISEARCH' ENTERED AT 13:54:11 ON 09 JAN 2006
Copyright (c) 2006 The Thomson Corporation

=> s nakai?/au or nakansihi?/au or kawahara?/au or ito?/au or kurahashi?/au
L1      290681 NAKAI?/AU OR NAKANSIHI?/AU OR KAWAHARA?/AU OR ITO?/AU OR KURAHAS
               HI?/AU

=> s l1 and respiration
L2         721 L1 AND RESPIRATION

=> s l1 and respiratory
L3        1861 L1 AND RESPIRATORY

=> s l2 or l3
L4        2311 L2 OR L3

=> s l4 and (high-energy or low-energy)
L5          21 L4 AND (HIGH-ENERGY OR LOW-ENERGY)

=> dup rem l5
PROCESSING COMPLETED FOR L5
L6          11 DUP REM L5 (10 DUPLICATES REMOVED)

=> d ti 1-11

L6   ANSWER 1 OF 11  CAPLUS  COPYRIGHT 2006 ACS on STN
TI   Method for producing substances utilizing microorganisms

L6   ANSWER 2 OF 11     MEDLINE on STN                  DUPLICATE 1
TI   Effect of dexamethasone on mitochondrial maturation in the fetal rat
     brain.

L6   ANSWER 3 OF 11     MEDLINE on STN
TI   Stereotactic single high dose irradiation of lung tumors under
     respiratory gating.

L6   ANSWER 4 OF 11     MEDLINE on STN                  DUPLICATE 2
TI   Mouse coq7/clk-1 orthologue rescued slowed rhythmic behavior and extended
     life span of clk-1 longevity mutant in Caenorhabditis elegans.

L6   ANSWER 5 OF 11     MEDLINE on STN                  DUPLICATE 3
TI   Effect of the immunosuppressant drug FK506 on neonatal cerebral
     mitochondrial function and energy metabolism after transient intrauterine
     ischemia in rats.

L6   ANSWER 6 OF 11  CAPLUS  COPYRIGHT 2006 ACS on STN
TI   Developmental changes in mitochondrial activity and energy metabolism in
     the immature rat brain

L6   ANSWER 7 OF 11     MEDLINE on STN                  DUPLICATE 4
TI   Developmental changes in mitochondrial activity and energy metabolism in
     fetal and neonatal rat brain.

L6   ANSWER 8 OF 11  CAPLUS  COPYRIGHT 2006 ACS on STN
TI   Stability of high-energy phosphates in right
     ventricle: myocardial energetics during right coronary hypotension

L6   ANSWER 9 OF 11     MEDLINE on STN                  DUPLICATE 5
TI   In vivo profile of myocardial energy metabolism of pressure-overloaded
     rat.

L6   ANSWER 10 OF 11  CAPLUS  COPYRIGHT 2006 ACS on STN
```

TI Mechanisms involved in thermoregulatory heat production in brown adipose tissue

L6 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2006 ACS on STN
TI Physical analysis of the energy-transducing reaction in mitochondria

=> d ibib abs 1

L6 ANSWER 1 OF 11 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2002:31108 CAPLUS
DOCUMENT NUMBER: 136:101249
TITLE: Method for producing substances utilizing microorganisms
INVENTOR(S): **Nakai, Yuta**; Nakanishi, Kazuo; **Kawahara, Yoshio**; **Ito, Hisao**; **Kurahashi, Osamu**
PATENT ASSIGNEE(S): Ajinomoto Co., Inc., Japan
SOURCE: Eur. Pat. Appl., 19 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1170376	A1	20020109	EP 2001-116050	20010702
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002017363	A2	20020122	JP 2000-204252	20000705
AU 782560	B2	20050811	AU 2001-54169	20010702
BR 2001002666	A	20020226	BR 2001-2666	20010704
RU 2238325	C2	20041020	RU 2001-118542	20010704
CN 1335401	A	20020213	CN 2001-125954	20010705
US 2002160461	A1	20021031	US 2001-897988	20010705
PRIORITY APPLN. INFO.:			JP 2000-204252 A	20000705

AB In a method for producing a target substance utilizing a microorganism comprising culturing the microorganism in a medium to produce and accumulate the target substance in the medium and collecting the target substance, there is used, as the microorganism, a mutant strain or a genetic recombinant strain constructed from a parent strain of the microorganism having a **respiratory** chain pathway of **high energy** efficiency and a **respiratory** chain pathway of **low energy** efficiency as **respiratory** chain pathways, and having either one or both of the following characteristics: (A) the **respiratory** chain pathway of **high energy** efficiency is enhanced, (B) the **respiratory** chain pathway of **low energy** efficiency is deficient.
REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 13:53:57 ON 09 JAN 2006)

FILE 'MEDLINE, CAPLUS, SCISEARCH' ENTERED AT 13:54:11 ON 09 JAN 2006
L1 290681 S NAKAI?/AU OR NAKANSIHI?/AU OR KAWAHARA?/AU OR ITO?/AU OR KURA
L2 721 S L1 AND RESPIRATION
L3 1861 S L1 AND RESPIRATORY
L4 2311 S L2 OR L3
L5 21 S L4 AND (HIGH-ENERGY OR LOW-ENERGY)

L6 11 DUP REM L5 (10 DUPLICATES REMOVED)

=> s soxm
L7 43 SOXM

=> s sox (a) m
L8 7 SOX (A) M

=> s l7 orl8
MISSING OPERATOR L7 ORL8
The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.

=> s l7 or l8
L9 50 L7 OR L8

=> dup rem l9
PROCESSING COMPLETED FOR L9
L10 22 DUP REM L9 (28 DUPLICATES REMOVED)

=> s l10 and oxiase
L11 0 L10 AND OXIASE

=> s l10 and oxidase
L12 17 L10 AND OXIDASE

=> d ti 1-17

L12 ANSWER 1 OF 17 MEDLINE on STN
TI Respiratory gene clusters of Metallosphaera sedula - differential expression and transcriptional organization.

L12 ANSWER 2 OF 17 MEDLINE on STN
TI Regulation of the aerobic respiratory chain in the facultatively aerobic and hyperthermophilic archaeon Pyrobaculum oguniense.

L12 ANSWER 3 OF 17 MEDLINE on STN
TI The archaeal respiratory supercomplex **SoxM** from S. acidocaldarius combines features of quinole and cytochrome c **oxidases**.

L12 ANSWER 4 OF 17 MEDLINE on STN
TI Aeropyrum pernix K1, a strictly aerobic and hyperthermophilic archaeon, has two terminal **oxidases**, cytochrome ba3 and cytochrome aa3.

L12 ANSWER 5 OF 17 MEDLINE on STN
TI The structure of the soluble domain of an archaeal Rieske iron-sulfur protein at 1.1 A resolution.

L12 ANSWER 6 OF 17 MEDLINE on STN
TI First expression and characterization of a recombinant CuA-containing subunit II from an archaeal terminal **oxidase** complex.

L12 ANSWER 7 OF 17 MEDLINE on STN
TI Cytochrome c **oxidase** contains an extra charged amino acid cluster in a new type of respiratory chain in the amino-acid-producing Gram-positive bacterium Corynebacterium glutamicum.

L12 ANSWER 8 OF 17 MEDLINE on STN
TI Active site structure of SoxB-type cytochrome bo3 **oxidase** from thermophilic Bacillus.

L12 ANSWER 9 OF 17 MEDLINE on STN

TI Sulfocyanin and subunit II, two copper proteins with novel features, provide new insight into the archaeal **SoxM oxidase** supercomplex.

L12 ANSWER 10 OF 17 MEDLINE on STN
TI Energy-yielding properties of SoxB-type cytochrome bo(3) terminal **oxidase**: analyses involving Bacillus stearothermophilus K1041 and its mutant strains.

L12 ANSWER 11 OF 17 MEDLINE on STN
TI Over-expression of cbaAB genes of Bacillus stearothermophilus produces a two-subunit SoxB-type cytochrome c **oxidase** with proton pumping activity.

L12 ANSWER 12 OF 17 MEDLINE on STN
TI New archaebacterial genes coding for redox proteins: implications for the evolution of aerobic metabolism.

L12 ANSWER 13 OF 17 MEDLINE on STN
TI A second terminal **oxidase** in Sulfolobus acidocaldarius.

L12 ANSWER 14 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN
TI Cytochrome aa3 in facultatively aerobic and hyperthermophilic archaeon Pyrobaculum oguniense

L12 ANSWER 15 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN
TI Biochemical and molecular features of terminal **oxidases**

L12 ANSWER 16 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN
TI Genetic sequences associated with mouse neural cell proliferation and disease

L12 ANSWER 17 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN
TI Terminal **oxidases** of Sulfolobus: Genes and proteins

```
=> s nuo or ndh or cytochrome (a) (
UNMATCHED LEFT PARENTHESIS 'A) ('
The number of right parentheses in a query must be equal to the
number of left parentheses.

=> s nuo or ndh or cytochrome (a) (bo or bd)
L13        2266 NUO OR NDH OR CYTOCHROME (A) (BO OR BD)

=> s nuo or ndh or cytochrome (a) (bo or bd) or nadh (a) dehyrdogenase
L14        2267 NUO OR NDH OR CYTOCHROME (A) (BO OR BD) OR NADH (A) DEHYRDOGENAS
                E

=> s l14 and (mutant or mutation or recombination or delete)
L15         751 L14 AND (MUTANT OR MUTATION OR RECOMBINATION OR DELETE)

=> dup rem l15
PROCESSING COMPLETED FOR L15
L16         362 DUP REM L15 (389 DUPLICATES REMOVED)

=> s l16 and amino (a) acid
```